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## **APPENDIX -- CLAIMS AS PENDING**

1. A recombinant nucleic acid encoding a Toso protein that will hybridize under high stringency conditions to the nucleic acid sequence depicted in Figure 1 (SEQ ID NO:1) or its complement.
2. A recombinant nucleic acid encoding a Toso protein that is at least about 70% identical to the amino acid sequence depicted in Figure 1 (SEQ ID NO:1).
3. A recombinant nucleic acid according to claim 2 that is at least about 70% identical to the nucleic acid sequence depicted in Figure 1 (SEQ ID NO:1) or its complement.
4. A recombinant nucleic acid according to claim 1 wherein said Toso protein is a human Toso protein.
5. A recombinant nucleic acid according to claim 1 encoding the amino acid sequence depicted in Figure 1 (SEQ ID NO:1).
6. A recombinant nucleic acid according to claim 1 encoding a Toso polypeptide that is at least about 70% identical to the sequence of amino acid residues 18 to 253 of Figure 2a (SEQ ID NO:2).
7. A recombinant nucleic acid according to claim 1 having at least 70% sequence identity to (a) a DNA molecule encoding a Toso polypeptide comprising the sequence of amino acid residues 18 to 253 of Figure 2a (SEQ ID NO:2), or (b) the complement of the DNA molecule of (a).

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8. A recombinant nucleic acid according to claim 1 encoding a Toso polypeptide that is at least about 70% identical to the sequence of amino acid residues 18 to 272 of Figure 2a (SEQ ID NO:2)
9. A recombinant nucleic acid according to claim 1 having at least 70% sequence identity to (a) a nucleic acid molecule encoding a Toso polypeptide comprising the sequence of amino acid residues 18 to 272 of Figure 2a (SEQ ID NO:2), or (b) the complement of the nucleic acid molecule of (a).
10. A recombinant nucleic acid according to claim 1 encoding a Toso polypeptide that is at least about 70% identical to the sequence of amino acid residues 273 to 390 of Figure 2a (SEQ ID NO:2).
11. A recombinant nucleic acid according to claim 1 comprising DNA having at least 70% sequence identity to (a) a nucleic acid molecule encoding a Toso polypeptide comprising the sequence of amino acid residues 273 to 390 of Figure 2a (SEQ ID NO:2), or (b) the complement of the nucleic acid molecule of (a).
12. A recombinant nucleic acid according to claim 1 operably linked to control sequences recognized by a host cell transformed with the nucleic acid.
13. An expression vector comprising the nucleic acid of claim 12.
14. A host cell comprising the recombinant nucleic acid of claim 1.
15. A host cell comprising the vector of claim 13.
16. A process for producing a Toso protein comprising culturing the host cell of claim 14 under conditions suitable for expression of a Toso protein.

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17. A process according to claim 16 further comprising recovering said Toso protein.
30. A method of modulating apoptosis in a cell comprising administering to said cell a recombinant nucleic acid encoding a Toso protein.
32. A method for treating an apoptosis related condition in a mammal comprising administering a recombinant nucleic acid encoding a Toso protein.